

GURASH, G.V.; MELESHEVICH, A.P.; POCHL NOK, V.Ya.; SYROMYATNIKOV, V.G.;
FEDOROVA, I.P.

Radiation-induced synthesis of the copolymer of allylamine and
methacrylic acid. Ukr. khim. zhur. 31 no.1:89-93 '65. (MIRA 18:5)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko i
Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

ROCHINSKIY, D.

Temporary connections and detours. Avt. dor. 24 no.7:10 J1 '61.
(MIRA 14:7)
(Road construction)

POCHINSKIY, K.; GUKOV, I.N., inzh.

They write to us. Avt. dor. 24 no.10:27 0 '61. (MIRA 14:11)
(Road construction)

POCHITALIN, T.

Schools of Azerbaijan solve great problems. Prof.-tekh.obr. 19
no.1:24-25 Ja '62. (MIRA 15:1)

1. Zaveduyushchiy uchebno-metodicheskim kabinetom Glavnogo
upravleniya professional'no-tehnicheskogo obrazovaniya pri
Sovete Ministrov Azerbaydzhanskoy SSR.
(Azerbaijan--Vocational education)

POCHITALIN, T.; GAVRYUK, I.; ZAL'TSBERG, Yu.; BARANYUK, Yu.

News from schools. Prof.-tekh. obr. 17 no. 11:32, 3 of cover
N '60. (MIRA 13:12)
(Education, Cooperative) (Student activities)

POCHITALIN, T.

▲ forge for the younger generation of workers. Prof.-tekh. obr.
17 no. 12:18-19 D '60. (MIRA 13:12)

1. Zaveduyushchiy uchebno-metodicheskim kabinetom Glavnogo
upravleniya professional'notekhnicheskogo obrazovaniya pri Sovete
Ministrov AzerbSSR.
(Vocational education)

PEVZNER, M.S.; PERFIL'YEV, O.G.; POCHIVALOV, I.N.; BORTNIKOV, A.V.;
KIRILLOV, A.S.

Industrial test in pebble mill grinding of gold containing ores
at the S Ordzhonikidze plant in the Baleyzoloto Combine.
TSvet. met. 38 no.6:6-11 Je '65. (MIRA 18:10)

NIKOLAYEV, Vl.; POCHIVALOV, L.; GRADOV, R., red.; SHIROKOVA, S.,
tekhn. red.

[At the two poles] U dvukh poliusov. Moskva, Izd-vo "Pravda"
1962. 79 p. (Biblioteka "Komsomol'skoi pravdy," no.5)
(MIRA 15:6)

(Polar regions) (Scientific expeditions)

POCHIVALOV, Leonid Viktorovich.; KHOTILOVSKAYA, L., red.; YEGOROVA, I., tekhn. red.

[Let's take a look beyond the Himalayas] Esli zaglianut' za
Gimalai...; o tom, chto my uvideli i uznali za tri nedeli
puteshestviia po Indii. [Moskva] Izd-vo TsK VLESM "Molodaia
gvardiia," 1957. 43 p. (MIRA 11:12)
(India--Description and travel)

POCHIVAIOV, L. V.

IUnoe pokolenie svobodnoi Pol'shi [Free Poland's young generation]. Moskva, Izd-vo
"Molodaia Gvardiia", 1953. 118 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 1 April 1954.

POCHIVALOV, Leonid Viktorovich; ARZUMANOVA, N.A., red.; SILONOVA,
G.N., tekhn. red.

[Meetings and separations; traveling on foreign roads
with a notebook and a camera] Vstrechi i rasstoiania;
po chuzhim dorogam s zapisnoi knizhkoj s fotoapparatom.
Moskva, Izd-vo Sovetskaia Rossiia, 1963. 138 p.
(MIRA 17:2)

POCHIVALOV, N. S.

BLYUMBERG, I.B.; IVANOVA, V.G.; MATISON, F.S.; NOVATSKAYA, T.A.;
POCHIVALOV, H.S.

Unification of developers for black-and-white motion-picture
positives. Trudy LIKI no.4:170-175 '56. (MLRA 10:5)

1.Kafedra obshchey fotografii i tekhnologii obrabotki kinofoto-
materialov.

(Cinematography--Developing and developers)

POCHIVALOV, V.

POCHIVALOV, V., laureat Leninskoy premii.

Using nepheline slime in cement production. Stroi. mat. 3 no.5:15-16
My '57. (MIRA 10:6)

1. Glavnyy inzhener Volkhovskogo alyuminiyevogo zavoda.
(Cement) (Nepheline)

Pochivalov, V. P.

101-58-2-7/8

AUTHORS: Pochivalov, V.P.; Malyasov, A.D.; Sotnikov, A.G. (Volkhov Plant)

TITLE: Reconstruction of Rotary Cement Kilns at the Volkhov Aluminum Plant (Rekonstruktsiya vrashchayushchikhsya tsementnykh pechey na Volkhovskom alyuminiyevom zavode)

PERIODICAL: Tsement, 1958, ²⁴ Nr 2, pp 27-30 (USSR)

ABSTRACT: The article provides information on the method recently applied for the reconstruction of rotary cement kilns by enlarging them from 3.0/2.7/3.0 x 127.5 m to 3.6/3.0/3.6 x 127.5 m. The reconstruction work was carried out by the Leningrad machine building plants. The time required for rebuilding two kilns was 28 and 21.5 days respectively. As the kilns had to be taken apart for reconstruction outside the building, many technical problems had to be solved, such as the use of railroad cranes on specially built tracks, the lowering and raising of pillars, the reinstallation of the rebuilt kilns, etc. When put into operation, each of the reconstructed kilns reached an output of 25 tons of clinkers per hour. There are 4 figures.

ASSOCIATION: Volkhovskiy alyuminiyevyy zavod (Volkhov Aluminum Plant)

AVAILABLE: Library of Congress

Card 1/1 1. Cement-Production 2. Rotary cement kilns-Construction

POCHIYEVSKIY, Ye. S., inzh.

Procedure for standardizing boiler installation work. Izv. vys.
ucheb. zav.; energ. no. 2:87-93 P '58. (MIRA 11:7)

1. Moskovskiy ordena Lenina energeticheskiy institut.
(Boilers)
(Job analysis)

POCHMANN, J.

Contribution of the 3d Exhibition of Czechoslovak Engineering in Brno for our mining.

P. 393. (UHLI) (Praha, Czechoslovakia) Vol. 7, no. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

POCHKA^YAEVA, M. V.
^

International-legal system of navigation on the Danube. 1951. 77 p. (53-30130)

HE387.D2P58

1. Danube River - Navigation.

1

Apparatus for metering and mixing solids and liquids.
V. P. Pochivalov. U.S.S.R. 67,744, Dec. 31, 1946.
M. H.

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

13-18

PC

Should dry or dissolved acids be used in the production of fluorides? V. POCHVALOV (Khimistrol, 1933, 5, 2022-2023).—In the production of cryolite and NaF solutions of acid Al fluoride and HF must be poured into aq. Na₂CO₃ and not conversely. For the prep. of HF, aq. Na₂CO₃ must be filtered. (In Am.)

Chemical Abstracts

OPEN

MATERIALS INDEX

ASD-514 METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNDICATE

FROM BOWERY

WILLIAMSON

WILLIAMSON

SOV/112-59-3-4469

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 27 (USSR)

AUTHOR: Pochiyevskiy, Ye. S.

TITLE: Methods for Normalizing the Boiler-Installation Labor
(O metodike normirovaniya kotlomontazhnykh rabot)

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Energetika, 1958, Nr 2, pp 87-93

ABSTRACT: A formula is suggested for computing normal time for boiler-erection work

$T = t_{pzz} + T_o^n (1 + K_{pzo} + K_{eo})$, where t_{pzz} is task preparatory time;
 $T_o^n = \sum t - \tau$; $\sum t$ is calendar duration of operations and τ is reduction of this time due to elements time overlap; K_{pze} and K_{oe} are coefficients of preparatory time per shift and time for rest and natural needs; n is the number of workers. Computations on the basis of the above formula are made in the following sequence: from standard processing, rigging schemes, time norms and element composition, hoisting machinery, etc., a graphical operation

Card 1/2

SOV/112-59-3-4469

Methods for Normalizing the Boiler-Installation Labor

schedule is set up; from this graphic T_O , n , and T_{tp} (time of processing interruptions) can be found; K_{pze} , K_O , K_e , T_{pzz} can be determined from the norms; finally T can be computed.

A.B.M.

Card 2/2

POCHKAYEV, I. A. (Zootechnician); SHLYAPNIKOV, E. G.; ALAKHVERDOV, I. A.; SAGITOV, A. V.;
FOMICHEV, T. F.; KASK, E. A.; **NIKOLSKIY, R. N.**

"On zooveterinary servicing of consolidated kolkhoz."

SO: Vet. 28 (12) 1951, p. 17

Central Zooveterinary District, Koslovodsk Rayon

POCHKAYEVA, M.; ANDREYEV, D.

U.S.S.R. is for cooperation in the interests of peace. Vnesh. torg. 42
no. 10:3-8 '62. (MIRA 15:10)
(Europe—Economic policy) (United Nations--Commissions)

CA

14

Antinakipin and its use in fishing fleets. E. G. Pochkin.
Rybnoe Khoz. 24, No. 2, 18-20(1948); Chem. Zentr. 1949,
342.—The Antinakipin is prepd. by heating Na_2PO_4 , caustic
soda, oak tannin, or sulfite liquor, and $\text{K}_2\text{Cr}_2\text{O}_7$ in water at
90°. The resulting mass is cut into pieces. These are
added directly to the boiler feed water for the elimination
of boiler scale. M. G. Moore.

POCHKIN, Ye.G.

Progressive assembly line. Mashinostroenie no.6:70-71 H-D '63.
(MIRA 16:12)

I. 08494-67 EWT(1)/EWP(m)/EWT(m) JD
ACC NR: AT6034561

SOURCE CODE: UR/2632/66/000/027/0121/0144

AUTHOR: Buchinskaya, Ye. K.; Pochkina, K. A.

49
B+1

ORG: none

TITLE: Investigation of a vortex wake behind a body of revolution

SOURCE: Moscow. Tsentral'nyy aero-gidrodinamicheskiy institut. Promyshlennaya aerodinamika, no. 27, 1966. Struynnye techeniya (Jet streams), 121-144.

TOPIC TAGS: aerodynamics, fluid mechanics, wake flow, vortex flow, vortex tube, wind tunnel test

ABSTRACT: The results of an experimental investigation of the structure of a vortex wake behind a thin body of revolution moving with a wide range of angles of attack from 0 to 30°, at a free flow velocity corresponding to the Reynolds number $Re \approx 4.3 \times 10^6$. The investigation was carried out in closed aerodynamic wind tunnel. Descriptions of the model and measuring techniques are presented. The values of nondimensional velocity u/V and nondimensional static and total pressure coefficients were calculated from experimental data and plotted in 21 graphs. Profiles of the longitudinal velocity component at various cross sections of the wake and also variations of the nondimensional velocity and pressure coefficients along the wake axis presented in a series of graphs for the case of $\alpha = 0$ show that the flow in the wake at distances of about 0.4 L downstream is isobaric. Another series of graphs presents the results in the form of isotherms, isobars, and trans-

UDC: 532.527.62-43.001.5

Card 1/2

L 08494-67

ACC NR: AT6034561

verse velocity field of a nonsymmetrical flow at angles of attack $\alpha = 10$ and 20° when a complex vortex system is formed in the boundary layer on the body then goes down the wake. They show that two vortex tubes are formed with their centers moving downstream along the Oy-axis. The results of measurements at an angle of attack $\alpha = 30^\circ$ show a stronger vortex system with increasing rarefaction in the centers and the presence of a reverse flow immediately behind the body. The last series of graphs represent lines of equal downwash angles measured in vertical and horizontal planes in the wake behind a body of revolution at $\alpha = 20^\circ$. The last figure presents the polar of the body considered here. Orig. art. has: 21 figures.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001/ ATD PRESS: 5103

Card 2/2 afs

USSR/Cultivated Plants - Medicinal. Essential Oils. Toxins.

M-8

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30120

Author : Pechkhua, A.A.

Inst : All-Union Institute for Synthetic and Natural Aromatics

Title : The Geranium Culture in the Rionskaya Depression.

Orig Pub : Tr. Vses. n.i. in-ta sintetich. i natural'nykh dushistykh
veshchestv, 1957, vyp. 3, 46-54.

Abstract : Work with the geranium (*Pelargonium roseum* Willd (I)) began
in the USSR in 1924. Wide distribution of the geranium
was obtained in the Georgian SSR, Armenia, the Central
Asiatic Republics. The area of planted geraniums in 1941
reached 3500 ha., and the annual processing of geranium
volatile oils was 60 thousand kg. This study was under-
taken to determine whether it was possible to establish
geranium cultures on the arid land of Rionskaya

Card 1/2

POCHKHUA, A. A.

POCHKHUA, A. A. -- "Determination of the Possibility of an Efficient Cultivation
of Rose Geranium Under the Conditions of the "ion Lowlands."
*(Dissertations For Degrees In Science and Engineering
Defended at USSR Higher Educational Institutions) (29)
Min Higher Education USSR, Georgian Order of Labor Red Banner
Agricultural Inst, Tbilisi, 1955

SO: Knizhnaya Letopis' No 29, 16 July 1955

* For the Degree of Candidate in Agricultural Sciences

POCHKHUA, A.A.

Cultivating *Pelargonium roseum* Wild in the Rion Lowland. Trudy
VNIISHDV no.3:46-54 '57. (MIRA 10:9)
(Rion Valley--Geraniums)

POCHKIN, Ye.G.

Specialized manufacture of metal cutting tools. Mashinostroenie
no.1:111 Ja-F '63. (MIRA 16:7)

(Metal-cutting tools)

POCHKIN, Ye.G.

Conveyor assembly lines for serial machinery and devices.
Mashinostroenie no.1:111 Ja-P '63. (MIRA 16:7)

(Assembly-line methods)

POCHKIN, Ye.G.

Semiautomation line for the pickling of rolled copper wire
with a regeneration of copper and sulfuric acid. Mashinostroenie
no.3:74 My-Je '63. (MIRA 16:7)

(Metals---Pickling)

FLAKIDA, A. K., inzh.; BURDA, I. Kh., inzh.; POCHKIN, Ye. G., inzh.;
FLISFEDER, M. R., inzh.

Semiautomatic line for painting articles in an electrostatic
field and heat-radiation drying. Mashinostroenie no.5:72-73
S-0 '62. (MIRA 16:1)

1. Proyektno-konstruktorskiy tekhnologicheskii institut
Odesskogo soveta narodnogo khozyaystva.

(Painting, Industrial—Equipment and supplies)
(Drying apparatus)

ACCESSION NR: AT3002065

S/2632/62/000/023/0099/0106

AUTHORS: Ilizarova, L. L.; Pochkina, K. A.

TITLE: Experimental investigation of the wake behind a body of revolution

SOURCE: Moscow. Tsentral'nyy^{*} aero-gidrodinamicheskiy institut. Promyshlennaya aerodinamika, no. 23, 1962. Struynyte techeniya, 99-106

TOPIC TAGS: aerodynamics, hydrodynamics, gas dynamics, fluid dynamics, wake, pressure profile, velocity profile, body of revolution, wind-tunnel test, Pitot-Prandtl tube

ABSTRACT: The paper reports the results of an experimental investigation on the distribution of wake parameters in the direction of a jet flow. The only known velocity (V) and temperature (T) distributions in the turbulent wake behind a body of revolution (BR) are those of A. R. Hall and G. S. Hislop (Cambr. Phil. Soc., Proc., v. 34, 1938). Three characteristic zones are distinguished in the current experimental investigation of the turbulent wake (TW) behind a BR: (1) A zone in the vicinity of the BR in which the flow depends on the individual peculiarities of the body and is not selfsimilar. (2) The zone of selfsimilar flow. (3) A third zone, located at a great distance from the body, in which the field of the pulsational

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ACCESSION NR: AT3002065

velocities develops independently from the field of mean velocities, the turbulent pulsations decay, and the flow becomes laminar again. Dependable measurements (M) of the wake parameters were made behind the BR at a relatively small distance from the body, where the flow has already returned to being selfsimilar but the V defect is still of measurable magnitude. The M's were performed in a closed wind tunnel with an open 440-mm-diam open working section (length 1,300 mm). The BR was 400 mm long; maximal cross-section diam 60 mm. To ensure a turbulent nature of the boundary layer (BL) on the BR, a 0.3-mm-diam-wire ring was fastened around the nose of the BR. This led to a 50% thickening of the BL near the trailing end of the BR. The V profiles were measured with a Pitot-Prandtl tube. Free-air V's: 15.9, 28.6, 38.0, and 47.7 m/sec. Reynolds numbers: 0.43 to $1.23 \cdot 10^6$. The most accurate M's were made with the highest free-air V; the degree of turbulence then was $\epsilon = 0.6\%$. V and T profiles are shown. It is found that at a distance of 300-400 mm from the trailing end of the BR the static pressure is restored to atmospheric and the V profiles have a universal character. The employment of the results obtained in the determination of the experimental constant required in the calculation of an axially-symmetrical wake is explained. For this purpose the author employs the method of A. S. Ginevskiy (Ref. paper entitled "Turbulent jet flows with return flows of fluid," pp. 80-98 of the present Sbornik). Orig. art. has 8 figures and 13 numbered equations.

Card 2/32

ILIZAROVA, L.I.; POCHKINA, K.A.

Experimental investigation of the wake behind a body of revolution.
From aerodin. no. 23:99-106 '62. (MIRA 16:4)
(Wakes (Fluid dynamics))

KANTSEL', Ya.O., inzh.; BELYANCHIKOV, V.N., inzh.; NOVIKOV, I.V.,
inzh.; ZAYTSEV, L.Ye., inzh.; AKIL'YEV, S.A., inzh.;
BELKIN, V.A., inzh.; POCHKINA, L.A., inzh.; VASIL'YEV,
O.A., inzh.; KUZ'MINYKH, A.A., red.izd-va; SHIBKOVA, R.Ye.,
tekhn. red.

[Service life of parts of excavating, construction and road
machinery; a reference catalog] Sroki sluzhby detalei ekska-
vatorov, stroitel'nykh i dorozhnykh mashin; katalog-spravochn-
nik. Izd.2., perer. i dop. Moskva, Goslesbumizdat. Pt.1.[Ex-
cavating machinery and hoisting equipment; cranes, loaders,
winches, and elevators] Ekskavatory i pod'emno-transportnoe
oborudovanie; krany, pogruzchiki, lebedki, elevatory. 1963.
(MIRA 17:3)
342 p.

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye po snab-
zheniyu i sbytu produktsii tyazhelogo, transportnogo i
stroitel'no-dorozhnogo mashinostroyeniya. Tekhnicheskaya kon-
tora "Stroityazhmashzapchast'." Konstruktorskoye byuro.

BELYANCHIKOV, V.N., inzh.; NOVIKOV, I.V., inzh.; ZAYTSEV, I.Ye.,
inzh.; AKIL'YEV, S.A., inzh.; BELKIN, V A., inzh.;
POCHKINA, L.A., inzh.; VASIL'YEV, O.A., inzh.; Prinsipali
uchastiye: KOPEYKINA, O.P.; SMIRNOVA, A.N.; BELKINA, S.S.;
SHILINA, Ye.I.; LAGUNOV, Ye.N.; REZNIK, S.Z.; BRISMAN,
B.I.; KUZMINIKH, A.A., red. i dop.; SHIRKOVA, R.Ye.,
tekhn. red.

[Operational life of parts of excavating, construction,
and road machinery; a reference catalog] Sroki sluzhby de-
talei ekskavatorov, stroitel'nykh i dorozhnykh mashin.
katalog spravochnik. Izd.2., perer. i dop. Moskva, Gos-
lesbumizdat. Pt.2. [Road, construction machinery, and
machinery for manufacturing building materials] Dorozhnye,
stroitel'nye mashiny i mashiny dlia proizvodstva stroitel'-
nykh materialov. 1963. 306 p. (MIRA 17:4)

1. "Stroitiyazhmashzapchast'," Tekhnicheskaya kontora. Kon-
struktorskoye byuro.

POCHKINA, Ye.P.

Three-year evening schools for power engineering workers.
(MTRA 18:9)
Energetik. 13 no.9:39 S '65.

1. Nachal'nik otдела podgotovk' kadrov Moskovskogo rayonnogo
upravleniya energeticheskogo khozyaystva.

COUNTRY : USSR
CATEGORY : Diseases of Farm Animals. Diseases Caused by
Bacteria and Fungi
ABS. JOUR. : RZhBiol., No. 6 1959, No. 25965
AUTHOR : Kulinich, V.G.; Levdik, N.P.; Pochko, M.D.*
INST. : -
TITLE : Treatment of Animals with Chronic Infections
by Iodine Preparations
ORIG. PUB. : Sots. tvarinnitstvo, 1958, No.3, 59-60
ABSTRACT : The effectiveness of treatment with iodine pre-
parations was tested in the infections of cattle
affected with brucellosis, tuberculosis and para-
tuberculosis. The animals were injected subcu-
taneously with Lugol's solution. Iodothyrapy
proved ineffective.
* Gondaruk, I.P.
CARD: 1/1

3

POCHKOV, N.G., prof.; CHERIKOVSKAYA, T.Ya., kand. med. nauk;
SIDORKOV, A.M., kand. farmatsevt. nauk; KUCHERENKO, V.D.,
provizor; KUZ'MINA, K.K., provizor; VASIL'YEVA, S.F.,
provizor; FEL'DSHER, L.N., provizor; ZAKOSHANSKIY, N.Ya.,
red.

[Prepared drugs; a manual for physicians] Gotovye lekarst-
vennye preparaty; spravochnik dlia vrachei. Moskva,
Meditcina, 1965. 228 p. (MIRA 18:6)

POCHŁODKA, Kazimierz, inż.; GAWLIŃSKI, Stanisław, inż.

Quality requirements in the production of presses for plastics.
Przegl mech 22 no.11:345-346 10 Je '63.

POCHMANN, J.

Some remarks on problems of operation and development of open pits in the North Bohemian brown coal area. p. 189.

UHLI, Praha, Vol. 5, no. 6, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

CZECHOSLOVAKIA

UDC 613.64:612.014.481

SLEPICKA, Jiri; SLIVOVA, Anna; POCHMON, Otakar; ZAPLETALOVA, Ema; Department of Occupational Diseases (Oddeleni Chorob z Povolani) Chief (Prednosta) Dr L. EISLER, and Neurological Department (Neurologicke Oddeleni), Chief (Prednosta) Dr V. BARTOUSEK, Krajska Hospital (Nemocnice) with Polyclinic (s Poliklinikou), Ostrava; Department of Hygiene of Work Krajska Station of Hygiene and Epidemiology of the Northern Moravia Kraj (Odbor Hygieny Prace KHES Severomoravskeho Kraje) Ostrava, Head (Vedouci) Dr Z. JIRAK

"Effect of Electromagnetic Radiation in the Frequency Range of Meter Waves on Workers on Short-Wave Transmitters."

Prague, Pracovni Lekarstvi, Vol 19, No 1, Jan 67, pp 5 - 11

Abstract [Authors' English summary modified]: 30 employees working at short wave, and 19 working at medium wave transmitters were examined. The short wave transmitters exercise a stronger influence causing mainly a neurasthenic syndrome; 84% of abnormal findings were in the evaluation of the EEG. Deviations in the glycemic curve and an increase in the gamma-globulin content were also found. Permanent tests of EEG should be introduced for the employees exposed to the wave hazard. 7 Figures, 3 Tables, 10 Western, 2 Czech, 1/1 1 Polish reference. (Ms. rec. 3 Dec 65).

CATEGORY	Czechoslovakia	H-27
ABS. JOUR.	RZKhim., No. 1959, No. 72905	
AUTHOR	Pochobradsky, K.	
INST.		
TITLE	Problems of Production of High Grade Lactic Acid	
ORIG. PUB.	Kvasny prumysl, 1959, 5, No 3, 67-71	
ABSTRACT	: It was found that the complexometric method is suitable for control of lactic acid production. Purification of the fermented product facilitates its filtration and improves quality of lactic acid. Study of the process of crystallization of Ca-lactate has confirmed desirability of elimination of this operation by means of improvement of the quality of the raw material. -- From Author's Summary.	
CARD:	1/1	

POCHOBRADSKY, K.

"Some problems of manufacturing high-quality lactic acid." P. 67.

KVASNY PRUMYSL. (Ministerstvo potravinarskeho prumyslu). Praha, Czechoslovakia, Vol. 5, No. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

S/124/63/000/002/017/052
D234/D308

AUTHORS: Kaliski, S., P/ochocki, Z. and Rogula, D.

TITLE: Asymmetry of the stress tensor and conservation of angular momentum for a combined mechanic and electromagnetic field in a continuous medium

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 2, 1963, 1, abstract 2V1 (Bull. Acad. polon. sci. Ser. sci. techn. v. 10, no. 4, 1962, 189-195 (Eng.: summary in Rus.))

TEXT: The authors consider the problem of the asymmetric stress tensor for a continuous medium and its connection with the law of conservation of angular momentum. The introduction of an asymmetric stress tensor becomes necessary in practically important equations of phenomenological fields in piezoelectric or ferromagnetic bodies, ferrites, etc. Literature on the problem of asymmetry of the stress tensor is reviewed. It is proved that the asymmetry of the full stress tensor is possible only in the presence of a local, proper angular momentum of the medium, e.g. spin. The authors

Card 1/2

Asymmetry of the stress tensor ...

S/124/63/000/002/017/052
D234/D308

give an example of building up consistent equations of a magneto-elastic medium with a spin, interacting with an electromagnetic field. 18 references.

[Abstracter's note: Complete translation]

Card 2/2

POCHODYLA, M.

Replacement of rivets in railroad bridges. Przegląd Drog. Dodatek. p.57

PRZEGLĄD KOLEJOWY DROGOWY. (Wydawnictwa Komunikacyjnw) Warszawa, Poland
Vol.11, no.3, Mar. 1959

Monthly list of East European Accessions (EEAI) LC, Vol.8, no.7, July 1959

Uncl.

POCHODYLA, M.

Replacement of rivets in railroad bridges. p. 61.

PRZEGLAD KOLEJOWY DROGOWY. (Wydawnictwa Komunikacyjne) Warszawa, Poland.
Vol. 11, no. 4, Apr. 1959.

Monthly list of East European Accessions Index, (EEAI) IC, Vol. 8; no. 66
June, 1959
uncla.

POGHOP, inz.

Effect of the base movement on the stress distribution in
pylon legs. El tech obzor 52 no.4:215 Ap '63.

POCHOP, Karel, inz.

Transmission of electric power by 380 kV and higher voltage.
El tech obzor 51 no.10:Suppl.: Prakticka priloha 51 no.10:T65-
T70 '62.

. POCHOP. Karel, inz., laureat statni ceny

Efforts for economical construction of electric lines.
Normalizace 12 no.2:33-36 1964

POCHOP, Karel, inz.

Electric power transmission of 380 kv and over. El tech
obzor 51 no.8:Suppl.: Praticka priloha 51 no.8:T 49 - T 64
'62.

POCHOP, K., inz.

New method of mechanical calculation of outdoor electric
line conductors. El tech obzor 53 no, 3: 152-153 Mr '64

~~POCHOP, K.~~

Elektrotechniky Obzor, 1958, Vol 47, Nr 6

Pochop, K.: Determination of Stress Variations of a Suspended Conductor by Means of a Chart Drawn for Another Material; Universal Diagram for the Determination of the Critical Temperature, pp 309-311

2
3

Distr: 4F1/4E1F/4E2/c

The paper deals with the following points: a) Use of the chart for another material (or other moduli of elasticity E , specific gravities γ , coefficients of thermal expansion α) than for which it was drawn; b) how to use the chart taking into consideration the stress-strain diagram of the conductor instead of a constant modulus of elasticity; c) how to use the chart established for copper with advantage for A.C.S.R. cables when the range of the A.C.S.R. chart is insufficient; d) how to use the new universal diagram for the determination of the critical temperature θ_{cr} , i.e. the temperature at which the sag of the conductor is the same as with additional load.

[Retyped clipped abstract]

August 29, 1958/ml

gfp

Card 1/1

6118. DETERMINATION OF STRESS VARIATIONS OF A
SUSPENDED CONDUCTOR BY MEANS OF A CHART DRAWN FOR
ANOTHER MATERIAL AND UNIVERSAL DIAGRAM FOR THE
DETERMINATION OF THE CRITICAL TEMPERATURE. K. Pochop.
Elektrotech. Obzor, Vol. 47, No. 6, 309-11 (1958). In Czech.
Charts valid for one material can be used for conductors of
another material with the help of simple relations. Graphs are
given for the determination of the "critical temperature" at which
the sag of the conductor is the same as that of the conductor with
additional load at another, lower temperature (icing). Several
examples are calculated. N. Klein

POCHOP, K.

Wind pressure on electric power lines. p. 358.
(ELEKTROTECHNICKY OBZOR, vol. 44, no. 7, July 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

POCHOP, K.

POCHOP, K. Determining the strain of a suspended conductor during changes caused by an additional load. p.444

Vol. 45, no. 9, Sept. 1956
ELEKTROTECHNICKY OBZOR
TECHNOLOGY
Praha, Czechoslovak

So: East European Accession, Vol. 6, No. 2, 1957

Рочкоп, К.

631.315.1.056
574. THE STRAIN IN A SUSPENDED CONDUCTOR WHEN THE
ADDITIONAL LOAD IS VARIED. K. Pochop.
Elektrotech. Obzor, Vol. 45, No. 9, 144-9 (1956). In Czech.
The non-linear relationship between stress and strain in a
conductor is discussed first for the case that the elastic limit of
the material is exceeded. A graphical method shows how to deter-
mine the strain if additional load (weight, ice) acts on the conductor
under the assumption that the curved stress-strain characteristic
beyond the elastic limit can be replaced by a tangent to the character-
istic. The method is applied to calculate the additional strain and
also resultant sag for three examples taken from practice.
E. Erdélyi.

POCHOP, K.

Universal assembly tables and diagrams for suspended conductors. p. 410.
(ELEKTROTECHNICKY OBZOR, Vol. 46, No. 9, Aug 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

621.315.1.056.4
/5062. Wind pressure on overhead lines. K. Pochop.
Elektrotech. Obzor, 44, No. 7, 358-67 (1959) in Czech.
A survey of the existing Czechoslovak, U.S.S.R.,
VDE, Swedish, French and Austrian regulations and
explanation of the theoretical and experimental data
on which they are based, reveals intrinsic differences
in the methods of evaluating the wind forces in them-
selves as well as the modifications of these forces in
the case of several conductors arranged in a plane.
Even more interesting is a comparison between these
regulations and theory and the results of recent, very
comprehensive, field and model tests carried out in
France, Germany, Italy and Sweden. This shows
that the measured wind pressures always remained
below the values on which the regulations are based.
B. F. KRAUS

SZMIGIEL, Zbigniew; POCHOPIEN, Anna

The level of anti-Rh incomplete antibodies and the electrophoretic picture of blood proteins in immunized subjects. Pol. med. wewn. 32 no.7:797-801 '62.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie Kierownik: prof. dr med. J. Aleksandrowicz.

(RH FACTORS) (BLOOD PROTEIN ELECTROPHORESIS)
(BLOOD GROUP INCOMPATIBILITY)

POLACZEK-KORNECKI, Tadeusz; POCHOPLEN, Franciszek; WOJCIK, Emilia

Treatment of the localized inflammation of the bronchial mucosa
in the course of the lymph node pulmonary tuberculosis. Gruzlica
33 no.9:779-783 S ' 65.

1. Z Oddziału Gruzlicy Płuc i Dzieci Miejskiego Szpitala Spec-
jalistycznego w Krakowie (Ordynator: dr. med. F. Pochopien) i z
Oddziału Anestezjologicznego III Kliniki Chirurgicznej AM w
Krakowie (Kierownik Kliniki: doc. dr. M. Politowski).

HUCZEK-GLEBOCKI, Jerzy; OSTERCZY, Zbigniew; POCHOPIEN, Hanna; SCHIFFER,
Zofia

Value of thromboelastography (TEG) in some diseases of the heart
and blood vessels. Polski tygod. lek. 16 no.44:1681-1685 30 0 '61.

1. Z III Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik: prof.
dr. J. Aleksandrowicz.
(BLOOD COAGULATION) (CARDIOVASCULAR DISEASES blood)

POLAND/Human and Animal Physiology (Normal and Pathological).
Blood Circulation. The Blood Vessels.

T-5

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50838

Author : Pochopko, P.

Inst : Polish Academy of Sciences.

Title : Cutaneous Vessel Reflexes in Frogs (*Rana esculenta* L.)
Caused by Carbon Dioxide and Oxygen.

Orig Pub : Byul. Pol'skoy AN, 1956, Otd. 2,4, No 11, 421-427.

Abstract : The number of open vessels was established in the swimming web of frogs under the microscope. The frog was then placed into a chamber which was filled with mixtures of N_2 , CO_2 , and O_2 in various proportions. When the air in the chamber contained 5-10 percent of CO_2 , the number of open vessels became larger, but when it contained 30 percent of CO_2 it became smaller. In the author's opinion

Card 1/2

- 53 -

POCHOFOVA K. Statni psychiatricka lecebna v Erne-Cernovicich. Pokus o vyuziti Pavlovovy nauky v pohybove lecbe dusevnich poruch An endeavour to make use of Pavlov's doctrine in the gymnastic treatment of psychic disturbances LEK. LISTY 1951 6/9 (271-274)

The method consists in rhythmic exercises in groups, which are held for an hour twice a week, or three quarters of an hour thrice a week; in the groups studied this treatment was continued for 10 months. Improvement of the attention and disappearance of the autism was observed in the schizophrenics. The depression diminished and the interest in companions improved in the melancholics. With the mental defectives exercises were used chiefly for teaching them the habitual movements of daily life, in order to improve their motor coordination.

Pascual del Roncal - Mexico

So: Excerpta Medica, Section VIII Vol. 5 No. 8

POCHOPOVA, K.

Attempt to utilize Pavlov's theory in kinesitherapy in mental diseases. Lek. listy 6 no.9:271-274 1 May 1951. (CIML 20:9)

1. Of the State Psychiatric Hospital in Brno-Cernovice (Head Emil Zalman, M.D.).

POCHRON, S.

"My Management Of a Farm On Sand." p. 19 (Plon, Vol. 5, No. 2, Feb. 1954,
Warszawa)

SO: Monthly List of ~~Russian~~ Accessions, East European Vol. 3, No. 6, June 1954
Library of Congress, ~~1953~~, Uncl.

POCHTA, V.F., inzh.

Automatic control of the sintering machine cycle. Stal' 20
no.11:963-965 H '60. (MIRA 13:10)

1. Zavod imeni Dzerzhinskogo.
(Sintering) (Automatic control)

POCTA, Jaroslav

The problem of transmission of infection in general anesthesia.
Rozhl.chir.39 no.10:703-707 0'60.

1. Anesteziologicke oddeleni Ustredni vojenske nemocnice, Praha,
prednosta MUDr. Jiri Pokorny.

(ANESTHESIA GENERAL compl)

(ANESTHESIA INTRATRACHEAL compl)

(INFECTION transmission)

AUTHORS: Sokolov, N. M.; Pochtakova, E. I. 79-28-5-64/69

TITLE: Reciprocally Irreversible System of Formates and Thiocyanates of Sodium and Potassium (Vzaimnaya sistema iz formiatov i rodanidov natriya i kaliya)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol 28, No 5, pp. 1391-1397 (USSR)

ABSTRACT: The investigation of the mutual systems of the salts of fatty acids and thiocyanates of sodium and ^{potassium} was carried out in order to determine the influence of the structure of the radical of the salt of a fatty acid on the melting processes of the salts. As one of the lateral lines in the phase diagram of the systems to be investigated served the binary system NaCNS-KCNS; the sodium- and potassium salts of the homologous series of fatty acids with straight as well as with ramified chains of carbon atoms in the radical were taken as the other salts. In the present work the mutual system $\text{Na}, \text{K} \parallel \text{HCOO}, \text{CNS}$ was investigated. The sodium thiocyanate does not show polymorphic conversions

Card 1/3

Reciprocally Irreversible System of Formates and Thiocyanates of Sodium and Potassium 79-29-5 64/69

and remains unchanged up to 500°C (References 1,2). The potassium thiocyanate is thermally resistant up to 400°C and at 142.5°C suffers a polymorphous conversion (Reference 3). The sodium formate retains this property till 310°C (Reference 4), the polymorphous conversion (Reference 5) beginning at 242°C. At 370°C the potassium formate begins to decompose; at 470°C the decomposition takes place very quickly (Reference 6). On the heating of potassium formate by means of the differential thermocouple the polymorphous conversions for it were found at 60, 135 and 157°C (Reference 5). For all components of the given system the following data of the thermal effect are known (in k cal. equ.): NaCNS -40.36, KCNS -47.40, HCOONa -157.7, HCOOK -160.7 (Reference 7). Based on these data it can be expected that the equilibrium in this system is displaced in the direction to the pair HCOONa and KCNS: $\text{HCOOK} + \text{NaCNS} \rightarrow \text{HCOONa} + \text{KCNS} + 4.00 \text{ k cal.}$ Thus, by means of the visual-thermal method the binary system KCNS-HCOOK and the mutual system of formates and thiocyanates of potas-

Card 2/3

Reciprocally Irreversible System of Formates and Thiocya- 79-28-5-64/69
nates of Sodium and Potassium

sium and sodium were investigated for the first time.
There are 6 figures, 2 tables and 9 references, 6 of
which are Soviet.

ASSOCIATION: Smolenskiy meditsinskiy institut (Smolensk Medical
Institute)

SUBMITTED: March 5, 1957

Card 3/3

AUTHORS: Sokolov, N. M., Pochtakova, E. I. 79-28-5-65/69

TITLE: Reciprocally Irreversible System of Acetates and Propionates of Sodium and Potassium (Nesbratimo-vzaimnaya sistema iz atsetatov i propionatov natriya i kaliya)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol: 28, Nr 5, pp. 1397-1404 (USSR)

ABSTRACT: The direction of conversions in fusions of sodium and potassium salts of organic acids has been little investigated hitherto. Among many reciprocal systems mentioned in references there are none consisting of organic acids. The present system is the first link in the chain of systems being used to determine the relation between the reaction direction and the structure of the salt radical. Among the investigated components of the system, potassium acetate was of prime consideration, while calcium acetate and the propionates were secondary. As is known, the melting point of sodium acetate is between 319 and 337°C (References 1-7); and that of potassium acetate at 292-302°C (References 2,4,8-10); that of potassium propionate above 300°C (References 11). All

Card 1/3

The Mutually Irreversible System of Acetates and Propionates of Sodium and Potassium 79-28-5-65/69

salts melt without decomposition and are thermally unchangeable up to 390°C. Vorlender (Reference 12) described the polymorphous conversions of potassium and sodium propionate; however, not of the acetates of these metals. Also A. Baskov (Reference 2), by means of the differential thermal method of analysis, investigated the binary system of potassium and sodium acetates without finding polymorphism of the initial salts. G. G. Diogenov in the investigation of the mutual system of acetates and nitrates of lithium and sodium wrongly reports on the presence of two modifications α and β with respect to sodium acetate at 323°C, as the investigation by means of the differential thermocouple showed that no conversions take place at this temperature. One of the authors found by means of this method polymorphous conversions of sodium propionate at 77°, 195°, 217° and 287°C; of potassium propionate at 330°C. Thus the binary systems: $\text{CH}_3\text{COOK}:\text{C}_2\text{H}_5\text{COOK}$; $\text{CH}_3\text{COONa}:\text{C}_2\text{H}_5\text{COONa}$, and $\text{C}_2\text{H}_5\text{COONa}:\text{C}_2\text{H}_5\text{COOK}$ were investigated for the first time. The binary system of acetates of sodium

Card 2/3

The Reciprocally Irreversible System of Acetates and
Propionates of Sodium and Potassium

79-28-5-65/69

and potassium in which complex formation was established
was repeated. The equilibrium in the system is displaced
in the direction to the highest melting components.
There are 8 figures, 2 tables and 13 references, 5 of
which are Soviet.

ASSOCIATION: Smolenskiy meditsinskiy institut (Smolensk Medical
Institute)

SUBMITTED: January 25, 1957

Card 3/3

AUTHORS: Sokolov, M. K., Pochiakova, L. I. SOV/79-28-4-47/63

TITLE: Reversible Mutual System of Butyrates and Sodium-and Potassiumthiocyanates (Neobratimo-vzaimnaya sistema iz butiratov i rodanidov natriya i kaliya)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol. 28, Nr 6, pp. 1693-1700 (USSR)

ABSTRACT: The main task of the present paper was the investigation of the conversion process in the alloys of butyrates and thiocyanates of sodium and potassium. The given mutual system represents a certain part in the series of salts of thiocyanic acid and of fatty acids, the common aim of investigation consists in the determination of the dependence of the direction of reaction on the structure of the radical of the fatty acid (Ref 1). Potassium thiocyanate is subjected to polymorphous conversion at 143° (Ref 2). Sodium thiocyanate has, according to data in publications (Ref 2), no polymorphous conversion. The investigation carried out by one of the authors (Ref 3) showed that polymorphism occurs in butyrates. Thus sodiumbutyrate suffers a conversion at 117, 232, 252 and 360°, and the potassium butyrate at 190, 280, 285 and 345°. The whole investigation was carried out according to the

Card 1/2

Reversible Mutual System of Butyrates and Sodium SOV/79-28-6-57/63
-and Potassiumthiocyanates

visual-polythermal method as generally used. All compositions in molar per cents, together with formation temperatures of the first crystals are given (Tables 1 - 3). The liquidus curves (likvidus) of the double system $C_3H_7COONa-C_3H_7COOK$

and $KCNS-C_3H_7COOK$ were plotted. With an increase of the number of carbon atoms in the salt radical also the degree of reversibility in such systems increases which had been formed of the fatty acid salt of sodium- and potassium thiocyanates. There are 6 figures, 4 tables, and 6 references, 6 of which are Soviet.

ASSOCIATION: Smolenskiy meditsinskiy institut (Smolensk Medical Institute)

SUBMITTED: April 3, 1957

1. Sodium thiocyanates--Chemical reactions 2. Potassium
thiocyanates--Chemical reactions

Card 2/2

SOKOLOV, N.M.; POCHTAKOVA, E.I.

Irreversibly reciprocal system of sodium and potassium butyrates
and rhodanides. Zhur.ob.khim. 28 no.6:1693-1700 Je '58.

(MIRA 11:8)

1. Smolenskiy meditsinskiy institut.

(Sodium organic compounds) (Potassium organic compounds)

(Systems (Chemistry))

S/079/63/033/002/002/009
D403/D307

AUTHOR: Pochtakova, E.I.
TITLE: Mutual ternary system of the acetates and iso-valerates of sodium and potassium
PERIODICAL: Zhurnal obshchey khimii, v. 33, no. 2, 1963, 342 - 347

TEXT: The aim of the present work was (a) to confirm that chain branching in salts of aliphatic acids exerts an effect on processes occurring in the molten state (leading in the present case to a formation of heteroionic compounds), and (b) to determine the effect of increasing the organic radical on the configuration of the field of $3\text{CH}_3\text{COOK} \cdot 2\text{CH}_3\text{COONa}$ in this system, as compared with the system formed from the acetates and iso-butyrates of Na and K. The system was studied by the polythermic method of physicochemical analysis; pure acetates were used and the valerates were synthesized from pure materials. In the $\text{CH}_3\text{COOK} \cdot \text{CH}_3\text{COONa}$ system, the author confirmed formation of $3\text{CH}_3\text{COOK} \cdot 2\text{CH}_3\text{COONa}$ and found eutectics at 235°C .

Card 1/3

Mutual ternary system ...

S/079/63/033/002/002/009
D403/D307

(53.5 mol% CH_3COOK) and 240°C (61 mol% CH COOK). A eutectic occurred in the Na acetate-iso-valerate system, at 160°C and 80.0 mol% of iso- $\text{C}_4\text{H}_9\text{COONa}$. In the CH_3COOK -iso- $\text{C}_4\text{H}_9\text{COOK}$ system, the author found a compound of probable composition $7\text{CH}_3\text{COOK} \cdot \text{iso}-\text{C}_4\text{H}_9\text{COOK}$, a transition point at 270°C and 18.5 mol % iso-valerate, and a eutectic at 269°C and 50.0 % iso-valerate. The Na and K iso-valerates gave a series of solid solutions. The diagonal section CH_3COONa -iso- $\text{C}_4\text{H}_9\text{COOK}$ passes through the fields of CH_3COONa , 2 iso- $\text{C}_4\text{H}_9\text{COONa} \cdot \text{CH}_3\text{COOK}$, CH_3COONa , and solid solutions. The 3 branches of the curve intersect at 170°C and 152°C , at respectively 39.0 and 44.5 mol % iso- $\text{C}_4\text{H}_9\text{COOK}$. The diagonal section iso- $\text{C}_4\text{H}_9\text{COONa}$ - CH_3COOK passes through the fields of Na and K iso-valerate solid solutions, $7\text{CH}_3\text{COOK} \cdot \text{iso}-\text{C}_4\text{H}_9\text{COOK}$, and CH_3COOK ; the three parts of the curve intersect at 168 and 236°C , for 57.0 and 82.5 mol % CH_3COOK respectively. 28 internal sections were made and the liquidus surface of the mutual ternary system was constructed, comprising the fields of (1) Na and K iso-valerate solid solutions,

Card 2/3

Mutual ternary system ...

S/079/63/033/002/009
D403/D307

(2) CH_3COONa , (3) $7\text{CH}_3\text{COOK}.\text{iso-C}_4\text{H}_9\text{COOK}$, (4) CH_3COOK ,
(5) $2\text{ iso-C}_4\text{H}_9\text{COONa}.\text{CH}_3\text{COONa}$, (6) $3\text{CH}_3\text{COOK}.2\text{CH}_3\text{COONa}$,
and (7) $3\text{CH}_3\text{COOK}.\text{iso-C}_4\text{H}_9\text{COONa}.2\text{CH}_3\text{COONa}$, in decreasing order of area.

The system is illustrated pictorially. It is concluded that (a) the system is adiaagonal, (b) increasing chain length in the organic radical favors the formation of heteroionic compounds, (c) the processes occurring in the liquid phase are complex, (d) the compound $3\text{CH}_3\text{COOK}.\text{CH}_3\text{COONa}$ is more stable in this than in systems of normal aliphatic acid salts. The author expresses his gratitude to N.M. Sokolov for his advice. There are 5 figures and 1 table.

ASSOCIATION: Smolenskiy gosudarstvennyy meditsinskiy institut
(Smolensk State Institute of Medicine)

SUBMITTED: July 10, 1961

Card 3/3

POCHTAKOVA, E.I.

Ternary reciprocal system consisting of sodium and potassium acetates and isovalerates. Zhur.ob.khim. 33 no.2:342-347 F '63.
(MIRA 16:2)

1. Smolenskiy gosudarstvennyy meditsinskiy institut.
(Isovaleric acid) (Acetic acid) (Alkali metal salts)

SOKOLOV, N.M.; POCHTAKOVA, E.I.

Irreversible reciprocal system of sodium and potassium formates
and rhodanides. Zhur. ob. khim. 28 no.5:1391-1397 My '58.
(MIRA 11:8)

1. Smolenskiy meditsinskiy institut.
(Alkali metal formates) (Rhodanine)

SOKOLOV, N.M.; POCHTAKOVA, E.I.

Irreversible reciprocal system of sodium and potassium acetates
and propionates. Zhur. ob. khim. 28 no.5:1397-1404 My '58.
(MIRA 11:8)

1. Smolenskiy meditsinskiy institut.
(Alkali metal acetates) (Propionic acid)

AUTHORS: Sokolov, N. M., Pochtakova, E. I. SOV/79-28-6-57/63

TITLE: Reversible Mutual System of Butyrates and Sodium- and Potassiumthiocyanates (Neobratimo-vzaimnaya sistema iz butiratorov i rodanidov natriya i kaliya)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol. 28, Nr 6, pp. 1693-1700 (USSR)

ABSTRACT: The main task of the present paper was the investigation of the conversion process in the alloys of butyrates and thiocyanates of sodium and potassium. The given mutual system represents a certain part in the series of salts of thiocyanic acid and of fatty acids, the common aim of investigation consists in the determination of the dependence of the direction of reaction on the structure of the radical of the fatty acid (Ref 1). Potassium thiocyanate is subjected to polymorphous conversion at 143° (Ref 2). Sodium thiocyanate has, according to data in publications (Ref 2), no polymorphous conversion. The investigation carried out by one of the authors (Ref 3) showed that polymorphism occurs in butyrates. Thus sodiumbutyrate suffers a conversion at 117, 232, 252 and

Card 1/3

Reversible Mutual System of Butyrates and Sodium- SOV/ 79-28-6-57/63
-and Potassiumthiocyanates

360°, and the potassium butyrate at 190, 280, 285 and 345°. The whole investigation was carried out according to the visual-polythermal method as generally used. All compositions in molar per cents, together with formation temperatures of the first crystals are given (Tables 1 - 3). The liquidus curves (likvidus) of the double system $C_3H_7COONa-C_3H_7COOK$ and $KCNS-C_3H_7COOK$ were plotted. With an increase of the number of carbon atoms in the salt radical also the degree of reversibility in such systems increases which had been formed of the fatty acid salt of sodium- and potassium thiocyanates. There are 6 figures, 4 tables, and 6 references, 6 of which are Soviet.

ASSOCIATION: Smolenskiy meditsinskiy institut (Smolensk Medical Institute)

SUBMITTED: April 3, 1957

Card 2/3

Reversible Mutual System of Butyrates and Sodium- SOV/19-28-6-57/63
-and Potassiumthiocyanates

1. Sodium thiocyanates--Chemical reactions 2. Potassium thiocyanates--Chemical
reactions

Card 3/3

POCHTAR', A., sud'ya respublikanskoy kategorii, master sporta (Kiyev)

Ukrainian flyers compete against each other. Kryl.rod. 9
no.11:18 N '58. (MIRA 12:2)

(Ukraine--Aeronautics)

SOV/85-58-11-18/33

AUTHOR: Pochtar', A., Master of Sports, Judge on the Republic Level (Kiyev)

TITLE: Ukrainian Pilots Compete (Sorevnuyutsya letchiki Ukrainy)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 11, p 18 (USSR)

ABSTRACT: The author describes the VI Ukrainian Republic Competitions of individual performers, representing Kiyev, Khar'kov, Lugansk, Dnepropetrovsk, Stalino, Zaporozh'ye, and Kirovograd. Personalities mentioned include Konstantin Baykov, Master of Sports (Dnepropetrovsk), Valentin Medvedev, Master of Sports, 1957 Ukrainian champion (Khar'kov).

ASSOCIATION: Respublikanskiy komitet DOSAAF (DOSAAF Republic Committee).

Card 1/1

POCHTAR', G. YE., Engineer

Mbr., Krasnaya Zvezda Plant (-1945-)

"A Method of Making Diamon-Metal Pencils," Stanki I
Instrument, 16, Nos. 7-8, 1945

BR-52059019

POCHTAR', G. Ye.; TSINOVSKAYA, Ye. P., Engineers

Mbr., Krasnaya Etna Plant (-1945-)

"A Method of Making Diamond-Metal Pencils," Stanki I Instrument, 16, Nos. 7-8, 1945

BR-52059019

9

6

Increase of Tool Life by Electropolishing Plus Chromium Plating. G. Ye. Pechtar' and A. M. Gur'ev. 4 pages. Henry Bruchter, Altadena, Calif. (Translation No. 1903.) From *Stanki i Instrument*, v. 18, no. 3, 1947, p. 27.

Recommends chromium plating preceded by electropolishing, for high-speed tools containing 4-9.5% W, for an increase in tool life of 50-150%. Gives data on best electropolishing and plating conditions.

ASD-51A METALLURGICAL LITERATURE CLASSIFICATION

871137 ONZ

871137 ONZ ONE 151

POCHTAR', R.I.

Provide the collective and state farm administrative offices in
Moldavia with reliable telephone communication service. Vest.
sviazi 22 no.7:4-5 JI '62. (MIRA 15:7)

1. Nachal'nik otдела elektrosvyazi, chlen kollegii Ministerstva
svyazi Moldavskoy SSR.
(Moldavia--Telephone) (Moldavia--Agricultural administration)

POCHTAR, S.

POCHTAR, S. Lisoeksport Ukrainy. Kyiv, 1931. 64 p. (Vseukrains'kiy naukovo-doslidnyi instytut torhivli.)

DLC: HD9765.R9ZU65

So: LC, Soviet Geography, Part II, 1951/Unclassified

POCHTAR', V.P., inzh.

Multinozzle natural gas burner. Prom. energ. 19 no. 6:22-23
Je'64 (MIRA 17:7)

LIN, M.K., inzh.; POCHTAR', V.P., inzh.

External corrosion of a screen-type steam superheater of the
TP-12 boiler. Prom. energ. 18 no.3:29-30 Mr '63.

(MIRA 16:6)

(Superheaters—Corrosion)

POCHTAR¹, V.P., inzh.

Intake of air to the lower portion of the scallop of the TP-230 boiler for decreasing the formation of slag on the scallop and steam super-heater. Energetik 9 no.11:19-20 N '61.

(MIRA:14:12)

(Boilers--Incrustations)

MASLOV, V.I., inzh.; POCHTAR', V.P., inzh.

Turbulent blast-furnace gas burner. Prom. energ. 19 no.5:
22-25 My '64. (MIRA 17:6)